

2-Player Pong Game with Arduino Uno

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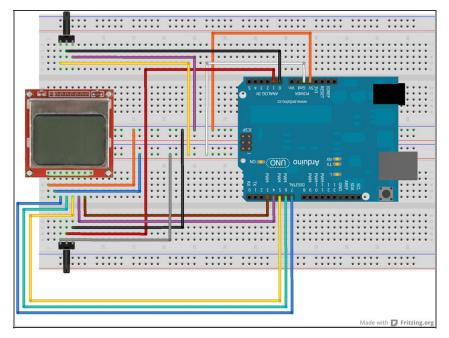
- Arduino Uno (1)
- Breadboard (1)
- Jumper Wire (20)
- PCD8544 LCD screen (1) Nokia5110 screen
- Potentiometer, 5kΩ (2)

SUMMARY

Classical Pong game implemented on an Arduino Uno using a PCD8544 LCD screen which is better known as the Nokia 5110 screen.

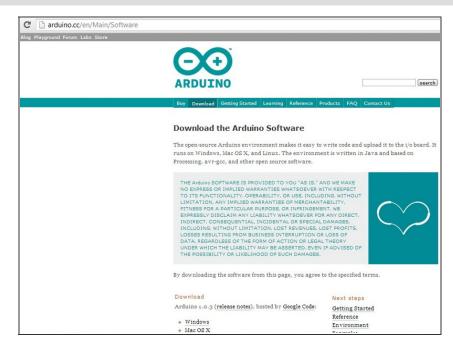
Player bars are controlled by a potentiometer for each player. If you want the bar to go left, just turn the potentiometer left.

Step 1 — 2-Player Pong Game with Arduino Uno



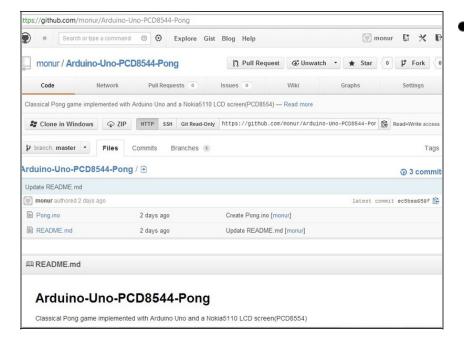
Connect the Arduino Uno,
 PCD8544 LCD screen and 2
 potentiomaters as shown in the
 Fritzing diagram.

Step 2



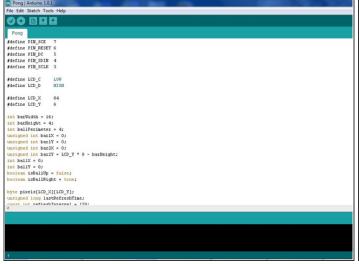
 Download Arduino software from http://arduino.cc/en/Main/Software

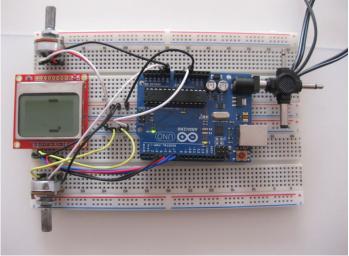
Step 3



Download the Arduino sketch (Pong.ino file) from https://github.com/monur/Arduino-Uno-PCD...

Step 4





- Open Pong.ino sketch with Arduino IDE software
- Connect the Arduino Uno to your computer with a USB cable.
- In the Arduino IDE software menu, select Tools->Board->Arduino Uno
- In the Arduino IDE menu, select File->Upload or use the shortcut key combination Ctrl-U
- The game starts in the LCD screen. You can control the bars using the potentiometers.

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